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HOLIDAY'S ACTIVITIES FOR JULY 2020.

- Name the appropriate part of a vernier caliper which is used to take measurements of
 - the diameter of a sphere
 - the depth of small beaker or a measuring cylinder
 - the internal diameter of a hollow cylinder.
- What is the reading on a vernier caliper when the 37th mark i.e. 3.7 on the main scale coincides with the 8th division on the vernier scale?
- Complete: the principle of screw gauge is such that when the circular scale is given one complete revolution, the linear distance travelled by the screw on the main scale is equal to one.....
- What are the advantages of electronic balance over a beam balance?
- Distinguish between density and relative density.
 - When a stone of mass 4.620kg is dropped into a vertical cylinder of radius 7cm containing water at a certain level, the level of water increases by 10cm in height. Calculate the density of that stone. (Take $\pi = \frac{22}{7}$).
- Convert the following in order to complete: (answers should be written in scientific notation):
 - 25Pm =pm
 - 12Mm =m
 - 5 μ m =km
 - 17am =nm
 - 8Tm =fm.
- Complete the table below:

| Derived Physical quantity | Combined basic quantities | S.I units |
|---------------------------|---------------------------|-----------|
| Speed | | |
| Density | | |
| Acceleration | | |

END!